

March 10, 2017

VIA HAND DELIVERY & ELECTRONIC MAIL

Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

**RE: Docket 4676-Proposed National Grid Proposal to Bid Capacity of Customer-Owned
DG Facilities into the Forward Capacity Market
Responses to Record Requests**

Dear Ms. Massaro:

On behalf of National Grid,¹ I have enclosed the Company's responses to the record requests that were issued at the PUC's evidentiary hearing on February 17, 2017, in the above-referenced docket.

Thank you for your attention to this filing. If you have any questions, please contact me at 401-784-7288.

Very truly yours,



Jennifer Brooks Hutchinson

Enclosures

cc: Docket 4676 Service List
Leo Wold, Esq.
Jon Hagopian, Esq.
Steve Scialabba, Division

¹ The Narragansett Electric Company d/b/a National Grid (National Grid or Company).

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.

The paper copies of this filing are being hand delivered to the Rhode Island Public Utilities Commission and to the Rhode Island Division of Public Utilities and Carriers.

Joanne M. Scanlon

March 10, 2017

Date

**Docket No. 4676 National Grid – Forward Capacity Market Proposal
Service List updated 12/22/16**

Name/Address	E-mail	Phone
Jennifer Hutchinson, Esq. National Grid 280 Melrose Street Providence, RI 02907	Jennifer.Hutchinson@nationalgrid.com ;	781-907-2153
	Joanne.scanlon@nationalgrid.com ;	
	Celia.obrien@nationalgrid.com ;	
	Scott.McCabe@nationalgrid.com ;	
	Stefan.Nagy@nationalgrid.com ;	
Jon Hagopian, Sr. Counsel Division of Public Utilities and Carriers 89 Jefferson Blvd. Warwick, RI 02888	Jon.hagopian@dpuc.ri.gov ;	401-784-4775
	Steve.scialabba@dpuc.ri.gov ;	
	Al.contente@dpuc.ri.gov ;	
	Joseph.shilling@dpuc.ri.gov ;	
	dmacrae@riag.ri.gov ;	
Richard Hahn Carrie Gilbert Daymark Energy Advisors 1 Washington Mall, 9th floor Boston, MA 02108	rhahn@daymarkea.com ;	
	cgilbert@daymarkea.com ;	
Andrew S. Marcaccio, Esq. Department of Administration Division of Legal Services One Capitol Hill Providence, RI 02908	Andrew.Marcaccio@doa.ri.gov ;	401-222-3417
	Nancy.Russolino@doa.ri.gov ;	
Christopher Kearns, OER Nicholas Ucci, OER	Christopher.Kearns@energy.ri.gov ;	
	Nicholas.ucci@energy.ri.gov ;	
Jerry Elmer, Senior Attorney Conservation Law Foundation 55 Dorrance Street, Suite 202 Providence, RI 02903	jelmer@clf.org ;	401-228-1904
File an original & 9 copies w/: Luly E. Massaro, Commission Clerk Public Utilities Commission	Luly.massaro@puc.ri.gov ;	401-780-2107
	Cynthia.WilsonFrias@puc.ri.gov ;	
	Alan.nault@puc.ri.gov ;	

89 Jefferson Blvd.
Warwick, RI 02888

Todd.bianco@puc.ri.gov;

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4676
In Re: Proposal to Bid Capacity of Customer-Owned DG Facilities
Into Forward Capacity Market
Responses to Record Requests Issued at the
Commission's Evidentiary Hearing
On February 17, 2017

Record Request 1

Request:

Given that the LTCRER factor is a per kWh charge/credit and RE Growth is a fixed charge/credit, using a hypothetical set of numbers for DG projects and RE Growth, what is the customer impact by rate class under the LTCRER and RE Growth factors. Use recent customer data for RE Growth and kWh load for same year for DG projects.

Response:

Attachment RR-1 presents hypothetical calculations of adjustments to both the RE Growth and Long Term Contracting Renewable Energy Recovery (LTCRER) Factors based on an illustrative annual customer benefit of the approved FCM program. The attachment also presents the associated bill impacts of the illustrative adjustments to the factors. For the comparative purposes of this analysis, the Company used the same illustrative annual benefit of \$810,000 in both the RE Growth Factor calculation and the LTCRER Factor calculation. Additionally, the Company calculated an annual adjustment to the LTCRER Factor, rather than a semi-annual adjustment under the typical semi-annual calculation of the base LTCRER Factor.

The calculation of the illustrative adjustment to the RE Growth Factors is presented on page 1 and the associated bill impacts associated only with these adjustments are presented on pages 3 through 20. For a residential customer using 500 kWh a month, the \$810,000 estimated annual customer benefit applied to the RE Growth Factor would result in a \$0.08, or 0.1%, reduction in their monthly bill.

The calculation of the illustrative adjustment to the LTCRER Factor is presented on page 2 and the associated bill impacts associated only with this adjustment are presented on pages 21 through 38. For a residential customer using 500 kWh, the same \$810,000 estimated annual customer benefit applied to the LTCRER Factor would yield a \$0.05 or 0.1%, reduction in their monthly bill.

Hypothetical Adjustment to RE Growth Factors for Average Annual Customer Benefit

Hypothetical Per Bill Credit Calculation:		Total	Residential & Industrial	Small Commercial & Industrial	General Commercial & Industrial	Large Demand	Optional Large Demand	Street Lighting	Propulsion
		<u>(a)</u>	<u>A16 / A60</u> (b)	<u>C-06</u> (c)	<u>G-02</u> (d)	<u>B32 / G32</u> (e)	<u>B62 / G62</u> (f)	<u>S10 / S14</u> (g)	<u>X01</u> (h)
(1)	Average Annual Customer Benefit:	(\$810,102)							
(2)	Total Rate Base (000's)	\$561,738	\$296,490	\$54,542	\$82,460	\$77,651	\$19,545	\$29,286	\$1,764
(3)	Percentage of Total	100.00%	52.78%	9.71%	14.68%	13.82%	3.48%	5.21%	0.31%
(4)	Allocated Benefit	(\$810,102)	(\$427,578)	(\$78,657)	(\$118,918)	(\$111,983)	(\$28,187)	(\$42,235)	(\$2,543)
(5)	Forecasted Number of Bills/Luminaires	7,153,236	5,255,472	602,316	97,248	12,600	144	1,185,444	12
(6)	Hypothetical adjustment to REG Factor - monthly per bill credit		(\$0.08)	(\$0.13)	(\$1.22)	(\$8.88)	(\$195.74)	(\$0.03)	(\$211.94)
(7)	Uncollectible Percentage	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%
(8)	Hypothetical adjustment to RE Growth Factors including uncollectibles		(\$0.08)	(\$0.13)	(\$1.23)	(\$8.99)	(\$198.21)	(\$0.03)	(\$214.62)
(9)	Current RE Growth Factor		\$0.22	\$0.35	\$3.37	\$24.49	\$539.30	\$0.09	\$583.94
(10)	Hypothetical adjusted RE Growth Factors		\$0.14	\$0.22	\$2.14	\$15.50	\$341.09	\$0.06	\$369.32

- (1) Illustrative average annual customer benefit
- (2) per RIPUC 4323, Compliance Attachment 3A, (Schedule HSG-1), page 2, line 10
- (3) Line (2) ÷ Line (2) Total Column
- (4) Line (1) Total Column x Line (3)
- (5) Company forecast for the period October 1, 2016 through September 30, 2017; for Streetlighting number represents individual fixtures
- (6) Line (4) ÷ Line (5), truncated to 2 decimal places
- (7) Uncollectible Percentage approved in RIPUC Docket No. 4323
- (8) Line (6) ÷ (1- Line (7)), truncated to 2 decimal places
- (9) Per RIPUC Tariff No. 2095
- (10) Line (8) + Line (9)

Hypothetical Adjustment to LTCRER Factor for Average Annual Customer Benefit

(1) Average Annual Customer Benefit	(\$810,102)
(2) Forecasted kWh Deliveries - October 2016 through September 2017	7,444,986,931
(3) Hypothetical adjustment to LTC Recovery Factor	(\$0.00010)
(4) Adjustment for Uncollectibles	<u>1.25%</u>
(5) Hypothetical adjustment to LTC Recovery Factor including uncollectibles	(\$0.00010)
(6) Currently Effective LTC Recovery Factor	\$0.00667
(7) Hypothetical adjusted LTC Recovery Factor	\$0.00657

- (1) Illustrative average annual customer benefit
- (2) per Company forecast
- (3) Line (1) ÷ Line (2), truncated after five decimal places
- (4) uncollectible percentage approved in RIPUC Docket No. 4323
- (5) Line (3) x [1 + Line (4)], truncated to five decimal places
- (6) Per RIPUC Tariff No. 2095
- (7) Line (5) + Line (6)

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to A-16 Rate Customers

Monthly kWh	Present Rates				Proposed Rates				Increase (Decrease)								Percentage of Customers
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill				
									Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
150	\$19.16	\$12.27	\$1.31	\$32.74	\$19.08	\$12.27	\$1.31	\$32.66	(\$0.08)	\$0.00	\$0.00	(\$0.08)	-0.2%	0.0%	0.0%	-0.2%	13.7%
300	\$32.29	\$24.54	\$2.37	\$59.20	\$32.21	\$24.54	\$2.36	\$59.11	(\$0.08)	\$0.00	(\$0.01)	(\$0.09)	-0.1%	0.0%	0.0%	-0.2%	17.5%
400	\$41.04	\$32.72	\$3.07	\$76.83	\$40.96	\$32.72	\$3.07	\$76.75	(\$0.08)	\$0.00	\$0.00	(\$0.08)	-0.1%	0.0%	0.0%	-0.1%	11.8%
500	\$49.80	\$40.90	\$3.78	\$94.48	\$49.72	\$40.90	\$3.78	\$94.40	(\$0.08)	\$0.00	\$0.00	(\$0.08)	-0.1%	0.0%	0.0%	-0.1%	10.8%
600	\$58.55	\$49.07	\$4.48	\$112.10	\$58.47	\$49.07	\$4.48	\$112.02	(\$0.08)	\$0.00	\$0.00	(\$0.08)	-0.1%	0.0%	0.0%	-0.1%	9.4%
700	\$67.30	\$57.25	\$5.19	\$129.74	\$67.22	\$57.25	\$5.19	\$129.66	(\$0.08)	\$0.00	\$0.00	(\$0.08)	-0.1%	0.0%	0.0%	-0.1%	7.7%
1,200	\$111.07	\$98.15	\$8.72	\$217.94	\$110.99	\$98.15	\$8.71	\$217.85	(\$0.08)	\$0.00	(\$0.01)	(\$0.09)	0.0%	0.0%	0.0%	0.0%	15.0%
2,000	\$181.09	\$163.58	\$14.36	\$359.03	\$181.01	\$163.58	\$14.36	\$358.95	(\$0.08)	\$0.00	\$0.00	(\$0.08)	0.0%	0.0%	0.0%	0.0%	14.1%

	<u>Present Rates</u>		<u>Proposed Rates</u>
Customer Charge	\$5.00		\$5.00
RE Growth Factor	\$0.22	(1)	\$0.14
LIHEAP Charge	\$0.81		\$0.81
Transmission Energy Charge	kWh x \$0.02705		\$0.02705
Distribution Energy Charge	kWh x \$0.04278		\$0.04278
Transition Energy Charge	kWh x (\$0.00058)		(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154		\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674		\$0.00674
Gross Earnings Tax	4%		4%
Standard Offer Charge	kWh x \$0.08179		\$0.08179

Note (1): includes the current RE Growth Factor of \$0.22

Note (2): includes the hypothetical RE Growth Factor of \$0.14

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to A-60 Rate Customers

Monthly kWh	Present Rates				Proposed Rates				Increase (Decrease)								Percentage of Customers
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill				
									Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
150	\$12.14	\$12.27	\$1.02	\$25.43	\$12.06	\$12.27	\$1.01	\$25.34	(\$0.08)	\$0.00	(\$0.01)	(\$0.09)	-0.3%	0.0%	0.0%	-0.4%	13.7%
300	\$23.25	\$24.54	\$1.99	\$49.78	\$23.17	\$24.54	\$1.99	\$49.70	(\$0.08)	\$0.00	\$0.00	(\$0.08)	-0.2%	0.0%	0.0%	-0.2%	17.5%
400	\$30.65	\$32.72	\$2.64	\$66.01	\$30.57	\$32.72	\$2.64	\$65.93	(\$0.08)	\$0.00	\$0.00	(\$0.08)	-0.1%	0.0%	0.0%	-0.1%	11.8%
500	\$38.06	\$40.90	\$3.29	\$82.25	\$37.98	\$40.90	\$3.29	\$82.17	(\$0.08)	\$0.00	\$0.00	(\$0.08)	-0.1%	0.0%	0.0%	-0.1%	10.8%
600	\$45.47	\$49.07	\$3.94	\$98.48	\$45.39	\$49.07	\$3.94	\$98.40	(\$0.08)	\$0.00	\$0.00	(\$0.08)	-0.1%	0.0%	0.0%	-0.1%	9.4%
700	\$52.87	\$57.25	\$4.59	\$114.71	\$52.79	\$57.25	\$4.59	\$114.63	(\$0.08)	\$0.00	\$0.00	(\$0.08)	-0.1%	0.0%	0.0%	-0.1%	7.7%
1,200	\$89.90	\$98.15	\$7.84	\$195.89	\$89.82	\$98.15	\$7.83	\$195.80	(\$0.08)	\$0.00	(\$0.01)	(\$0.09)	0.0%	0.0%	0.0%	0.0%	15.0%
2,000	\$149.15	\$163.58	\$13.03	\$325.76	\$149.07	\$163.58	\$13.03	\$325.68	(\$0.08)	\$0.00	\$0.00	(\$0.08)	0.0%	0.0%	0.0%	0.0%	14.1%

	<u>Present Rates</u>		<u>Proposed Rates</u>
Customer Charge	\$0.00		\$0.00
RE Growth Factor	\$0.22	(1)	\$0.14
LIHEAP Charge	\$0.81		\$0.81
Transmission Energy Charge	kWh x \$0.02705		\$0.02705
Distribution Energy Charge	kWh x \$0.02931		\$0.02931
Transition Energy Charge	kWh x (\$0.00058)		(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154		\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674		\$0.00674
Gross Earnings Tax	4%		4%
Standard Offer Charge	kWh x \$0.08179		\$0.08179

Note (1): includes the current RE Growth Factor of \$0.22

Note (2): includes the hypothetical RE Growth Factor of \$0.14

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to C-06 Rate Customers

Monthly kWh	Present Rates				Proposed Rates				Increase (Decrease)								Percentage of Customers
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill				
									Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
250	\$31.63	\$20.99	\$2.19	\$54.81	\$31.50	\$20.99	\$2.19	\$54.68	(\$0.13)	\$0.00	\$0.00	(\$0.13)	-0.2%	0.0%	0.0%	-0.2%	35.2%
500	\$52.10	\$41.98	\$3.92	\$98.00	\$51.97	\$41.98	\$3.91	\$97.86	(\$0.13)	\$0.00	(\$0.01)	(\$0.14)	-0.1%	0.0%	0.0%	-0.1%	17.0%
1,000	\$93.04	\$83.96	\$7.38	\$184.38	\$92.91	\$83.96	\$7.37	\$184.24	(\$0.13)	\$0.00	(\$0.01)	(\$0.14)	-0.1%	0.0%	0.0%	-0.1%	19.0%
1,500	\$133.98	\$125.94	\$10.83	\$270.75	\$133.85	\$125.94	\$10.82	\$270.61	(\$0.13)	\$0.00	(\$0.01)	(\$0.14)	0.0%	0.0%	0.0%	-0.1%	9.8%
2,000	\$174.92	\$167.92	\$14.29	\$357.13	\$174.79	\$167.92	\$14.28	\$356.99	(\$0.13)	\$0.00	(\$0.01)	(\$0.14)	0.0%	0.0%	0.0%	0.0%	19.1%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$10.00	\$10.00
RE Growth Factor	\$0.35	\$0.22
LIHEAP Charge	\$0.81	\$0.81
Transmission Energy Charge	kWh x \$0.02566	\$0.02566
Distribution Energy Charge	kWh x \$0.03852 (1)	\$0.03852 (2)
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674	\$0.00674
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.08396	\$0.08396

Note (1): includes the current RE Growth Factor of \$0.35

Note (2): includes the hypothetical RE Growth Factor of \$0.22

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 200

Monthly Power kW	kWh	Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
20	4000	\$409.62	\$335.84	\$31.06	\$776.52	\$408.39	\$335.84	\$31.01	\$775.24	(\$1.23)	\$0.00	(\$0.05)	(\$1.28)	-0.2%	0.0%	0.0%	-0.2%
50	10000	\$898.98	\$839.60	\$72.44	\$1,811.02	\$897.75	\$839.60	\$72.39	\$1,809.74	(\$1.23)	\$0.00	(\$0.05)	(\$1.28)	-0.1%	0.0%	0.0%	-0.1%
100	20000	\$1,714.58	\$1,679.20	\$141.41	\$3,535.19	\$1,713.35	\$1,679.20	\$141.36	\$3,533.91	(\$1.23)	\$0.00	(\$0.05)	(\$1.28)	0.0%	0.0%	0.0%	0.0%
150	30000	\$2,530.18	\$2,518.80	\$210.37	\$5,259.35	\$2,528.95	\$2,518.80	\$210.32	\$5,258.07	(\$1.23)	\$0.00	(\$0.05)	(\$1.28)	0.0%	0.0%	0.0%	0.0%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$135.00	\$135.00
RE Growth Factor	\$3.37 (1)	\$2.14 (2)
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.59	\$3.59
Transmission Energy Charge	kWh x \$0.01068	\$0.01068
Distribution Demand Charge-xcs 10 kW	kW x \$5.58	\$5.58
Distribution Energy Charge	kWh x \$0.00733	\$0.00733
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674	\$0.00674
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.08396	\$0.08396

Note (1): includes the current RE Growth Factor of \$3.37

Note (2): includes the hypothetical RE Growth Factor of \$2.14

Note (3): includes the current O&M Factor of 0.117¢/kWh

Note (4): includes the proposed O&M Factor of 0.117¢/kWh

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 300

Monthly Power kW	kWh	Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
20	6000	\$481.04	\$503.76	\$41.03	\$1,025.83	\$479.81	\$503.76	\$40.98	\$1,024.55	(\$1.23)	\$0.00	(\$0.05)	(\$1.28)	-0.1%	0.0%	0.0%	-0.1%
50	15000	\$1,077.53	\$1,259.40	\$97.37	\$2,434.30	\$1,076.30	\$1,259.40	\$97.32	\$2,433.02	(\$1.23)	\$0.00	(\$0.05)	(\$1.28)	-0.1%	0.0%	0.0%	-0.1%
100	30000	\$2,071.68	\$2,518.80	\$191.27	\$4,781.75	\$2,070.45	\$2,518.80	\$191.22	\$4,780.47	(\$1.23)	\$0.00	(\$0.05)	(\$1.28)	0.0%	0.0%	0.0%	0.0%
150	45000	\$3,065.83	\$3,778.20	\$285.17	\$7,129.20	\$3,064.60	\$3,778.20	\$285.12	\$7,127.92	(\$1.23)	\$0.00	(\$0.05)	(\$1.28)	0.0%	0.0%	0.0%	0.0%

	<u>Present Rates</u>		<u>Proposed Rates</u>
Customer Charge	\$135.00		\$135.00
RE Growth Factor	\$3.37	(1)	\$2.14
LIHEAP Charge	\$0.81		\$0.81
Transmission Demand Charge	kW x \$3.59		\$3.59
Transmission Energy Charge	kWh x \$0.01068		\$0.01068
Distribution Demand Charge-xcs 10 kW	kW x \$5.58		\$5.58
Distribution Energy Charge	kWh x \$0.00733		\$0.00733
Transition Energy Charge	kWh x (\$0.00058)		(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154		\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674		\$0.00674
Gross Earnings Tax	4%		4%
Standard Offer Charge	kWh x \$0.08396		\$0.08396

Note (1): includes the current RE Growth Factor of \$3.37

Note (2): includes the hypothetical RE Growth Factor of \$2.14

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 400

Monthly Power kW kWh		Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
20	8000	\$552.46	\$671.68	\$51.01	\$1,275.15	\$551.23	\$671.68	\$50.95	\$1,273.86	(\$1.23)	\$0.00	(\$0.06)	(\$1.29)	-0.1%	0.0%	0.0%	-0.1%
50	20000	\$1,256.08	\$1,679.20	\$122.30	\$3,057.58	\$1,254.85	\$1,679.20	\$122.25	\$3,056.30	(\$1.23)	\$0.00	(\$0.05)	(\$1.28)	0.0%	0.0%	0.0%	0.0%
100	40000	\$2,428.78	\$3,358.40	\$241.13	\$6,028.31	\$2,427.55	\$3,358.40	\$241.08	\$6,027.03	(\$1.23)	\$0.00	(\$0.05)	(\$1.28)	0.0%	0.0%	0.0%	0.0%
150	60000	\$3,601.48	\$5,037.60	\$359.96	\$8,999.04	\$3,600.25	\$5,037.60	\$359.91	\$8,997.76	(\$1.23)	\$0.00	(\$0.05)	(\$1.28)	0.0%	0.0%	0.0%	0.0%

	<u>Present Rates</u>		<u>Proposed Rates</u>
Customer Charge	\$135.00		\$135.00
RE Growth Factor	\$3.37	(1)	\$2.14
LIHEAP Charge	\$0.81		\$0.81
Transmission Demand Charge	kW x \$3.59		\$3.59
Transmission Energy Charge	kWh x \$0.01068		\$0.01068
Distribution Demand Charge-xcs 10 kW	kW x \$5.58		\$5.58
Distribution Energy Charge	kWh x \$0.00733		\$0.00733
Transition Energy Charge	kWh x (\$0.00058)		(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154		\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674		\$0.00674
Gross Earnings Tax	4%		4%
Standard Offer Charge	kWh x \$0.08396		\$0.08396

Note (1): includes the current RE Growth Factor of \$3.37

Note (2): includes the hypothetical RE Growth Factor of \$2.14

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 500

Monthly Power kW kWh		Present Rates				Proposed Rates				Increase (Decrease)								
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill				
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
20	10000	\$623.88	\$839.60	\$60.98	\$1,524.46	\$622.65	\$839.60	\$60.93	\$1,523.18	(\$1.23)	\$0.00	(\$0.05)	(\$1.28)	-0.1%	0.0%	0.0%	0.0%	-0.1%
50	25000	\$1,434.63	\$2,099.00	\$147.23	\$3,680.86	\$1,433.40	\$2,099.00	\$147.18	\$3,679.58	(\$1.23)	\$0.00	(\$0.05)	(\$1.28)	0.0%	0.0%	0.0%	0.0%	0.0%
100	50000	\$2,785.88	\$4,198.00	\$291.00	\$7,274.88	\$2,784.65	\$4,198.00	\$290.94	\$7,273.59	(\$1.23)	\$0.00	(\$0.06)	(\$1.29)	0.0%	0.0%	0.0%	0.0%	0.0%
150	75000	\$4,137.13	\$6,297.00	\$434.76	\$10,868.89	\$4,135.90	\$6,297.00	\$434.70	\$10,867.60	(\$1.23)	\$0.00	(\$0.06)	(\$1.29)	0.0%	0.0%	0.0%	0.0%	0.0%

	<u>Present Rates</u>		<u>Proposed Rates</u>
Customer Charge	\$135.00		\$135.00
RE Growth Factor	\$3.37	(1)	\$2.14
LIHEAP Charge	\$0.81		\$0.81
Transmission Demand Charge	kW x \$3.59		\$3.59
Transmission Energy Charge	kWh x \$0.01068		\$0.01068
Distribution Demand Charge-xcs 10 kW	kW x \$5.58		\$5.58
Distribution Energy Charge	kWh x \$0.00733		\$0.00733
Transition Energy Charge	kWh x (\$0.00058)		(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154		\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674		\$0.00674
Gross Earnings Tax		4%	4%
Standard Offer Charge	kWh x \$0.08396		\$0.08396

Note (1): includes the current RE Growth Factor of \$3.37

Note (2): includes the hypothetical RE Growth Factor of \$2.14

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 600

Monthly Power kW kWh		Present Rates				Proposed Rates				Increase (Decrease)								
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill				
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
20	12000	\$695.30	\$1,007.52	\$70.95	\$1,773.77	\$694.07	\$1,007.52	\$70.90	\$1,772.49	(\$1.23)	\$0.00	(\$0.05)	(\$1.28)	-0.1%	0.0%	0.0%	0.0%	-0.1%
50	30000	\$1,613.18	\$2,518.80	\$172.17	\$4,304.15	\$1,611.95	\$2,518.80	\$172.11	\$4,302.86	(\$1.23)	\$0.00	(\$0.06)	(\$1.29)	0.0%	0.0%	0.0%	0.0%	0.0%
100	60000	\$3,142.98	\$5,037.60	\$340.86	\$8,521.44	\$3,141.75	\$5,037.60	\$340.81	\$8,520.16	(\$1.23)	\$0.00	(\$0.05)	(\$1.28)	0.0%	0.0%	0.0%	0.0%	0.0%
150	90000	\$4,672.78	\$7,556.40	\$509.55	\$12,738.73	\$4,671.55	\$7,556.40	\$509.50	\$12,737.45	(\$1.23)	\$0.00	(\$0.05)	(\$1.28)	0.0%	0.0%	0.0%	0.0%	0.0%

	<u>Present Rates</u>		<u>Proposed Rates</u>
Customer Charge	\$135.00		\$135.00
RE Growth Factor	\$3.37	(1)	\$2.14
LIHEAP Charge	\$0.81		\$0.81
Transmission Demand Charge	kW x \$3.59		\$3.59
Transmission Energy Charge	kWh x \$0.01068		\$0.01068
Distribution Demand Charge-xcs 10 kW	kW x \$5.58		\$5.58
Distribution Energy Charge	kWh x \$0.00733		\$0.00733
Transition Energy Charge	kWh x (\$0.00058)		(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154		\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674		\$0.00674
Gross Earnings Tax	4%		4%
Standard Offer Charge	kWh x \$0.08396		\$0.08396

Note (1): includes the current RE Growth Factor of \$3.37

Note (2): includes the hypothetical RE Growth Factor of \$2.14

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 200

Monthly Power kW	kWh	Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
200	40,000	\$3,078.30	\$2,999.60	\$253.25	\$6,331.15	\$3,069.31	\$2,999.60	\$252.87	\$6,321.78	(\$8.99)	\$0.00	(\$0.38)	(\$9.37)	-0.1%	0.0%	0.0%	-0.1%
750	150,000	\$11,647.30	\$11,248.50	\$953.99	\$23,849.79	\$11,638.31	\$11,248.50	\$953.62	\$23,840.43	(\$8.99)	\$0.00	(\$0.37)	(\$9.36)	0.0%	0.0%	0.0%	0.0%
1,000	200,000	\$15,542.30	\$14,998.00	\$1,272.51	\$31,812.81	\$15,533.31	\$14,998.00	\$1,272.14	\$31,803.45	(\$8.99)	\$0.00	(\$0.37)	(\$9.36)	0.0%	0.0%	0.0%	0.0%
1,500	300,000	\$23,332.30	\$22,497.00	\$1,909.55	\$47,738.85	\$23,323.31	\$22,497.00	\$1,909.18	\$47,729.49	(\$8.99)	\$0.00	(\$0.37)	(\$9.36)	0.0%	0.0%	0.0%	0.0%
2,500	500,000	\$38,912.30	\$37,495.00	\$3,183.64	\$79,590.94	\$38,903.31	\$37,495.00	\$3,183.26	\$79,581.57	(\$8.99)	\$0.00	(\$0.38)	(\$9.37)	0.0%	0.0%	0.0%	0.0%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$825.00	\$825.00
RE Growth Factor	\$24.49 (1)	\$15.50 (2)
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.97	\$3.97
Transmission Energy Charge	kWh x \$0.01047	\$0.01047
Distribution Demand Charge-xcs 10 kW	kW x \$4.44	\$4.44
Distribution Energy Charge	kWh x \$0.00768	\$0.00768
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674	\$0.00674
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.07499	\$0.07499

Note (1): includes the current RE Growth Factor of \$24.49

Note (2): includes the hypothetical RE Growth Factor of \$15.50

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 300

Monthly Power kW	kWh	Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
200	60,000	\$3,795.30	\$4,499.40	\$345.61	\$8,640.31	\$3,786.31	\$4,499.40	\$345.24	\$8,630.95	(\$8.99)	\$0.00	(\$0.37)	(\$9.36)	-0.1%	0.0%	0.0%	-0.1%
750	225,000	\$14,336.05	\$16,872.75	\$1,300.37	\$32,509.17	\$14,327.06	\$16,872.75	\$1,299.99	\$32,499.80	(\$8.99)	\$0.00	(\$0.38)	(\$9.37)	0.0%	0.0%	0.0%	0.0%
1,000	300,000	\$19,127.30	\$22,497.00	\$1,734.35	\$43,358.65	\$19,118.31	\$22,497.00	\$1,733.97	\$43,349.28	(\$8.99)	\$0.00	(\$0.38)	(\$9.37)	0.0%	0.0%	0.0%	0.0%
1,500	450,000	\$28,709.80	\$33,745.50	\$2,602.30	\$65,057.60	\$28,700.81	\$33,745.50	\$2,601.93	\$65,048.24	(\$8.99)	\$0.00	(\$0.37)	(\$9.36)	0.0%	0.0%	0.0%	0.0%
2,500	750,000	\$47,874.80	\$56,242.50	\$4,338.22	\$108,455.52	\$47,865.81	\$56,242.50	\$4,337.85	\$108,446.16	(\$8.99)	\$0.00	(\$0.37)	(\$9.36)	0.0%	0.0%	0.0%	0.0%

	<u>Present Rates</u>		<u>Proposed Rates</u>
Customer Charge	\$825.00		\$825.00
RE Growth Factor	\$24.49	(1)	\$15.50 (2)
LIHEAP Charge	\$0.81		\$0.81
Transmission Demand Charge	kW x \$3.97		\$3.97
Transmission Energy Charge	kWh x \$0.01047		\$0.01047
Distribution Demand Charge-xcs 10 kW	kW x \$4.44		\$4.44
Distribution Energy Charge	kWh x \$0.00768		\$0.00768
Transition Energy Charge	kWh x (\$0.00058)		(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154		\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674		\$0.00674
Gross Earnings Tax	4%		4%
Standard Offer Charge	kWh x \$0.07499		\$0.07499

Note (1): includes the current RE Growth Factor of \$24.49

Note (2): includes the hypothetical RE Growth Factor of \$15.50

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 400

Monthly Power kW kWh		Present Rates				Proposed Rates				Increase (Decrease)								
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill				
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
200	80,000	\$4,512.30	\$5,999.20	\$437.98	\$10,949.48	\$4,503.31	\$5,999.20	\$437.60	\$10,940.11	(\$8.99)	\$0.00	(\$0.38)	(\$9.37)	-0.1%	0.0%	0.0%	0.0%	-0.1%
750	300,000	\$17,024.80	\$22,497.00	\$1,646.74	\$41,168.54	\$17,015.81	\$22,497.00	\$1,646.37	\$41,159.18	(\$8.99)	\$0.00	(\$0.37)	(\$9.36)	0.0%	0.0%	0.0%	0.0%	0.0%
1,000	400,000	\$22,712.30	\$29,996.00	\$2,196.18	\$54,904.48	\$22,703.31	\$29,996.00	\$2,195.80	\$54,895.11	(\$8.99)	\$0.00	(\$0.38)	(\$9.37)	0.0%	0.0%	0.0%	0.0%	0.0%
1,500	600,000	\$34,087.30	\$44,994.00	\$3,295.05	\$82,376.35	\$34,078.31	\$44,994.00	\$3,294.68	\$82,366.99	(\$8.99)	\$0.00	(\$0.37)	(\$9.36)	0.0%	0.0%	0.0%	0.0%	0.0%
2,500	1,000,000	\$56,837.30	\$74,990.00	\$5,492.80	\$137,320.10	\$56,828.31	\$74,990.00	\$5,492.43	\$137,310.74	(\$8.99)	\$0.00	(\$0.37)	(\$9.36)	0.0%	0.0%	0.0%	0.0%	0.0%

	<u>Present Rates</u>		<u>Proposed Rates</u>	
Customer Charge	\$825.00		\$825.00	
RE Growth Factor	\$24.49	(1)	\$15.50	(2)
LIHEAP Charge	\$0.81		\$0.81	
Transmission Demand Charge	kW x \$3.97		\$3.97	
Transmission Energy Charge	kWh x \$0.01047		\$0.01047	
Distribution Demand Charge-xcs 10 kW	kW x \$4.44		\$4.44	
Distribution Energy Charge	kWh x \$0.00768		\$0.00768	
Transition Energy Charge	kWh x (\$0.00058)		(\$0.00058)	
Energy Efficiency Program Charge	kWh x \$0.01154		\$0.01154	
Renewable Energy Distribution Charge	kWh x \$0.00674		\$0.00674	
Gross Earnings Tax	4%		4%	
Standard Offer Charge	kWh x \$0.07499		\$0.07499	

Note (1): includes the current RE Growth Factor of \$24.49

Note (2): includes the hypothetical RE Growth Factor of \$15.50

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 500

Monthly Power kW kWh		Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
200	100,000	\$5,229.30	\$7,499.00	\$530.35	\$13,258.65	\$5,220.31	\$7,499.00	\$529.97	\$13,249.28	(\$8.99)	\$0.00	(\$0.38)	(\$9.37)	-0.1%	0.0%	0.0%	-0.1%
750	375,000	\$19,713.55	\$28,121.25	\$1,993.12	\$49,827.92	\$19,704.56	\$28,121.25	\$1,992.74	\$49,818.55	(\$8.99)	\$0.00	(\$0.38)	(\$9.37)	0.0%	0.0%	0.0%	0.0%
1,000	500,000	\$26,297.30	\$37,495.00	\$2,658.01	\$66,450.31	\$26,288.31	\$37,495.00	\$2,657.64	\$66,440.95	(\$8.99)	\$0.00	(\$0.37)	(\$9.36)	0.0%	0.0%	0.0%	0.0%
1,500	750,000	\$39,464.80	\$56,242.50	\$3,987.80	\$99,695.10	\$39,455.81	\$56,242.50	\$3,987.43	\$99,685.74	(\$8.99)	\$0.00	(\$0.37)	(\$9.36)	0.0%	0.0%	0.0%	0.0%
2,500	1,250,000	\$65,799.80	\$93,737.50	\$6,647.39	\$166,184.69	\$65,790.81	\$93,737.50	\$6,647.01	\$166,175.32	(\$8.99)	\$0.00	(\$0.38)	(\$9.37)	0.0%	0.0%	0.0%	0.0%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$825.00	\$825.00
RE Growth Factor	\$24.49 (1)	\$15.50 (2)
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.97	\$3.97
Transmission Energy Charge	kWh x \$0.01047	\$0.01047
Distribution Demand Charge-xcs 10 kW	kW x \$4.44	\$4.44
Distribution Energy Charge	kWh x \$0.00768	\$0.00768
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674	\$0.00674
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.07499	\$0.07499

Note (1): includes the current RE Growth Factor of \$24.49

Note (2): includes the hypothetical RE Growth Factor of \$15.50

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 600

Monthly Power		Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
kW	kWh	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
200	120,000	\$5,946.30	\$8,998.80	\$622.71	\$15,567.81	\$5,937.31	\$8,998.80	\$622.34	\$15,558.45	(\$8.99)	\$0.00	(\$0.37)	(\$9.36)	-0.1%	0.0%	0.0%	-0.1%
750	450,000	\$22,402.30	\$33,745.50	\$2,339.49	\$58,487.29	\$22,393.31	\$33,745.50	\$2,339.12	\$58,477.93	(\$8.99)	\$0.00	(\$0.37)	(\$9.36)	0.0%	0.0%	0.0%	0.0%
1,000	600,000	\$29,882.30	\$44,994.00	\$3,119.85	\$77,996.15	\$29,873.31	\$44,994.00	\$3,119.47	\$77,986.78	(\$8.99)	\$0.00	(\$0.38)	(\$9.37)	0.0%	0.0%	0.0%	0.0%
1,500	900,000	\$44,842.30	\$67,491.00	\$4,680.55	\$117,013.85	\$44,833.31	\$67,491.00	\$4,680.18	\$117,004.49	(\$8.99)	\$0.00	(\$0.37)	(\$9.36)	0.0%	0.0%	0.0%	0.0%
2,500	1,500,000	\$74,762.30	\$112,485.00	\$7,801.97	\$195,049.27	\$74,753.31	\$112,485.00	\$7,801.60	\$195,039.91	(\$8.99)	\$0.00	(\$0.37)	(\$9.36)	0.0%	0.0%	0.0%	0.0%

	<u>Present Rates</u>		<u>Proposed Rates</u>
Customer Charge	\$825.00		\$825.00
RE Growth Factor	\$24.49	(1)	\$15.50 (2)
LIHEAP Charge	\$0.81		\$0.81
Transmission Demand Charge	kW x \$3.97		\$3.97
Transmission Energy Charge	kWh x \$0.01047		\$0.01047
Distribution Demand Charge-xcs 10 kW	kW x \$4.44		\$4.44
Distribution Energy Charge	kWh x \$0.00768		\$0.00768
Transition Energy Charge	kWh x (\$0.00058)		(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154		\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674		\$0.00674
Gross Earnings Tax	4%		4%
Standard Offer Charge	kWh x \$0.07499		\$0.07499

Note (1): includes the current RE Growth Factor of \$24.49

Note (2): includes the hypothetical RE Growth Factor of \$15.50

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 200

Monthly Power kW kWh	Present Rates					Proposed Rates				Increase (Decrease)							
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill				
									Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
3,000 600,000	\$58,520.11	\$44,994.00	\$4,313.09	\$107,827.20	\$58,321.90	\$44,994.00	\$4,304.83	\$107,620.73	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	-0.2%	0.0%	0.0%	0.0%	-0.2%
5,000 1,000,000	\$85,840.11	\$74,990.00	\$6,701.25	\$167,531.36	\$85,641.90	\$74,990.00	\$6,693.00	\$167,324.90	(\$198.21)	\$0.00	(\$8.25)	(\$206.46)	-0.1%	0.0%	0.0%	0.0%	-0.1%
7,500 1,500,000	\$119,990.11	\$112,485.00	\$9,686.46	\$242,161.57	\$119,791.90	\$112,485.00	\$9,678.20	\$241,955.10	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	-0.1%	0.0%	0.0%	0.0%	-0.1%
10,000 2,000,000	\$154,140.11	\$149,980.00	\$12,671.67	\$316,791.78	\$153,941.90	\$149,980.00	\$12,663.41	\$316,585.31	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	-0.1%	0.0%	0.0%	0.0%	-0.1%
20,000 4,000,000	\$290,740.11	\$299,960.00	\$24,612.50	\$615,312.61	\$290,541.90	\$299,960.00	\$24,604.25	\$615,106.15	(\$198.21)	\$0.00	(\$8.25)	(\$206.46)	0.0%	0.0%	0.0%	0.0%	0.0%

	Present Rates		Proposed Rates	
Customer Charge	\$17,000.00		\$17,000.00	
RE Growth Factor	\$539.30	(1)	\$341.09	(2)
LIHEAP Charge	\$0.81		\$0.81	
Transmission Demand Charge	kW x \$3.22		\$3.22	
Transmission Energy Charge	kWh x \$0.01378		\$0.01378	
Distribution Demand Charge-xcs 10 kW	kW x \$3.81		\$3.81	
Distribution Energy Charge	kWh x \$0.00167		\$0.00167	
Transition Energy Charge	kWh x (\$0.00058)		(\$0.00058)	
Energy Efficiency Program Charge	kWh x \$0.01154		\$0.01154	
Renewable Energy Distribution Charge	kWh x \$0.00674		\$0.00674	
Gross Earnings Tax	4%		4%	
Standard Offer Charge	kWh x \$0.07499		\$0.07499	

Note (1): includes the current RE Growth Factor of \$539.30

Note (2): includes the hypothetical RE Growth Factor of \$341.09

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 300

Monthly Power kW kWh	Present Rates				Proposed Rates				Increase (Decrease)							
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
									Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
3,000 900,000	\$68,465.11	\$67,491.00	\$5,664.84	\$141,620.95	\$68,266.90	\$67,491.00	\$5,656.58	\$141,414.48	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	-0.1%	0.0%	0.0%	-0.1%
5,000 1,500,000	\$102,415.11	\$112,485.00	\$8,954.17	\$223,854.28	\$102,216.90	\$112,485.00	\$8,945.91	\$223,647.81	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	-0.1%	0.0%	0.0%	-0.1%
7,500 2,250,000	\$144,852.61	\$168,727.50	\$13,065.84	\$326,645.95	\$144,654.40	\$168,727.50	\$13,057.58	\$326,439.48	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	-0.1%	0.0%	0.0%	-0.1%
10,000 3,000,000	\$187,290.11	\$224,970.00	\$17,177.50	\$429,437.61	\$187,091.90	\$224,970.00	\$17,169.25	\$429,231.15	(\$198.21)	\$0.00	(\$8.25)	(\$206.46)	0.0%	0.0%	0.0%	0.0%
20,000 6,000,000	\$357,040.11	\$449,940.00	\$33,624.17	\$840,604.28	\$356,841.90	\$449,940.00	\$33,615.91	\$840,397.81	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	0.0%	0.0%	0.0%	0.0%

	Present Rates		Proposed Rates
Customer Charge	\$17,000.00		\$17,000.00
RE Growth Factor	\$539.30	(1)	\$341.09
LIHEAP Charge	\$0.81		\$0.81
Transmission Demand Charge	kW x \$3.22		\$3.22
Transmission Energy Charge	kWh x \$0.01378		\$0.01378
Distribution Demand Charge-xcs 10 kW	kW x \$3.81		\$3.81
Distribution Energy Charge	kWh x \$0.00167		\$0.00167
Transition Energy Charge	kWh x (\$0.00058)		(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154		\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674		\$0.00674
Gross Earnings Tax	4%		4%
Standard Offer Charge	kWh x \$0.07499		\$0.07499

Note (1): includes the current RE Growth Factor of \$539.30

Note (2): includes the hypothetical RE Growth Factor of \$341.09

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 400

Monthly Power kW kWh		Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
3,000	1,200,000	\$78,410.11	\$89,988.00	\$7,016.59	\$175,414.70	\$78,211.90	\$89,988.00	\$7,008.33	\$175,208.23	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	-0.1%	0.0%	0.0%	-0.1%
5,000	2,000,000	\$118,990.11	\$149,980.00	\$11,207.09	\$280,177.20	\$118,791.90	\$149,980.00	\$11,198.83	\$279,970.73	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	-0.1%	0.0%	0.0%	-0.1%
7,500	3,000,000	\$169,715.11	\$224,970.00	\$16,445.21	\$411,130.32	\$169,516.90	\$224,970.00	\$16,436.95	\$410,923.85	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	0.0%	0.0%	0.0%	-0.1%
10,000	4,000,000	\$220,440.11	\$299,960.00	\$21,683.34	\$542,083.45	\$220,241.90	\$299,960.00	\$21,675.08	\$541,876.98	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	0.0%	0.0%	0.0%	0.0%
20,000	8,000,000	\$423,340.11	\$599,920.00	\$42,635.84	\$1,065,895.95	\$423,141.90	\$599,920.00	\$42,627.58	\$1,065,689.48	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	0.0%	0.0%	0.0%	0.0%

	<u>Present Rates</u>		<u>Proposed Rates</u>	
Customer Charge	\$17,000.00		\$17,000.00	
RE Growth Factor	\$539.30	(1)	\$341.09	(2)
LIHEAP Charge	\$0.81		\$0.81	
Transmission Demand Charge	kW x \$3.22		\$3.22	
Transmission Energy Charge	kWh x \$0.01378		\$0.01378	
Distribution Demand Charge-xcs 10 kW	kW x \$3.81		\$3.81	
Distribution Energy Charge	kWh x \$0.00167		\$0.00167	
Transition Energy Charge	kWh x (\$0.00058)		(\$0.00058)	
Energy Efficiency Program Charge	kWh x \$0.01154		\$0.01154	
Renewable Energy Distribution Charge	kWh x \$0.00674		\$0.00674	
Gross Earnings Tax	4%		4%	
Standard Offer Charge	kWh x \$0.07499		\$0.07499	

Note (1): includes the current RE Growth Factor of \$539.30

Note (2): includes the hypothetical RE Growth Factor of \$341.09

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 500

Monthly Power kW kWh		Present Rates				Proposed Rates				Increase (Decrease)							
										\$				% of Total Bill			
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
3,000	1,500,000	\$88,355.11	\$112,485.00	\$8,368.34	\$209,208.45	\$88,156.90	\$112,485.00	\$8,360.08	\$209,001.98	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	-0.1%	0.0%	0.0%	-0.1%
5,000	2,500,000	\$135,565.11	\$187,475.00	\$13,460.00	\$336,500.11	\$135,366.90	\$187,475.00	\$13,451.75	\$336,293.65	(\$198.21)	\$0.00	(\$8.25)	(\$206.46)	-0.1%	0.0%	0.0%	-0.1%
7,500	3,750,000	\$194,577.61	\$281,212.50	\$19,824.59	\$495,614.70	\$194,379.40	\$281,212.50	\$19,816.33	\$495,408.23	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	0.0%	0.0%	0.0%	0.0%
10,000	5,000,000	\$253,590.11	\$374,950.00	\$26,189.17	\$654,729.28	\$253,391.90	\$374,950.00	\$26,180.91	\$654,522.81	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	0.0%	0.0%	0.0%	0.0%
20,000	10,000,000	\$489,640.11	\$749,900.00	\$51,647.50	\$1,291,187.61	\$489,441.90	\$749,900.00	\$51,639.25	\$1,290,981.15	(\$198.21)	\$0.00	(\$8.25)	(\$206.46)	0.0%	0.0%	0.0%	0.0%

	<u>Present Rates</u>		<u>Proposed Rates</u>	
Customer Charge	\$17,000.00		\$17,000.00	
RE Growth Factor	\$539.30	(1)	\$341.09	(2)
LIHEAP Charge	\$0.81		\$0.81	
Transmission Demand Charge	kW x \$3.22		\$3.22	
Transmission Energy Charge	kWh x \$0.01378		\$0.01378	
Distribution Demand Charge-xcs 10 kW	kW x \$3.81		\$3.81	
Distribution Energy Charge	kWh x \$0.00167		\$0.00167	
Transition Energy Charge	kWh x (\$0.00058)		(\$0.00058)	
Energy Efficiency Program Charge	kWh x \$0.01154		\$0.01154	
Renewable Energy Distribution Charge	kWh x \$0.00674		\$0.00674	
Gross Earnings Tax	4%		4%	
Standard Offer Charge	kWh x \$0.07499		\$0.07499	

Note (1): includes the current RE Growth Factor of \$539.30

Note (2): includes the hypothetical RE Growth Factor of \$341.09

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 600

Monthly Power kW kWh		Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
3,000	1,800,000	\$98,300.11	\$134,982.00	\$9,720.09	\$243,002.20	\$98,101.90	\$134,982.00	\$9,711.83	\$242,795.73	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	-0.1%	0.0%	0.0%	-0.1%
5,000	3,000,000	\$152,140.11	\$224,970.00	\$15,712.92	\$392,823.03	\$151,941.90	\$224,970.00	\$15,704.66	\$392,616.56	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	-0.1%	0.0%	0.0%	-0.1%
7,500	4,500,000	\$219,440.11	\$337,455.00	\$23,203.96	\$580,099.07	\$219,241.90	\$337,455.00	\$23,195.70	\$579,892.60	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	0.0%	0.0%	0.0%	0.0%
10,000	6,000,000	\$286,740.11	\$449,940.00	\$30,695.00	\$767,375.11	\$286,541.90	\$449,940.00	\$30,686.75	\$767,168.65	(\$198.21)	\$0.00	(\$8.25)	(\$206.46)	0.0%	0.0%	0.0%	0.0%
20,000	12,000,000	\$555,940.11	\$899,880.00	\$60,659.17	\$1,516,479.28	\$555,741.90	\$899,880.00	\$60,650.91	\$1,516,272.81	(\$198.21)	\$0.00	(\$8.26)	(\$206.47)	0.0%	0.0%	0.0%	0.0%

	<u>Present Rates</u>		<u>Proposed Rates</u>	
Customer Charge	\$17,000.00		\$17,000.00	
RE Growth Factor	\$539.30	(1)	\$341.09	(2)
LIHEAP Charge	\$0.81		\$0.81	
Transmission Demand Charge	kW x \$3.22		\$3.22	
Transmission Energy Charge	kWh x \$0.01378		\$0.01378	
Distribution Demand Charge-xcs 10 kW	kW x \$3.81		\$3.81	
Distribution Energy Charge	kWh x \$0.00167		\$0.00167	
Transition Energy Charge	kWh x (\$0.00058)		(\$0.00058)	
Energy Efficiency Program Charge	kWh x \$0.01154		\$0.01154	
Renewable Energy Distribution Charge	kWh x \$0.00674		\$0.00674	
Gross Earnings Tax	4%		4%	
Standard Offer Charge	kWh x \$0.07499		\$0.07499	

Note (1): includes the current RE Growth Factor of \$539.30

Note (2): includes the hypothetical RE Growth Factor of \$341.09

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to A-16 Rate Customers

Monthly kWh	Present Rates				Proposed Rates				Increase (Decrease)								Percentage of Customers
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill				
									Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
150	\$19.16	\$12.27	\$1.31	\$32.74	\$19.14	\$12.27	\$1.31	\$32.72	(\$0.02)	\$0.00	\$0.00	(\$0.02)	-0.1%	0.0%	0.0%	-0.1%	13.7%
300	\$32.29	\$24.54	\$2.37	\$59.20	\$32.26	\$24.54	\$2.37	\$59.17	(\$0.03)	\$0.00	\$0.00	(\$0.03)	-0.1%	0.0%	0.0%	-0.1%	17.5%
400	\$41.04	\$32.72	\$3.07	\$76.83	\$41.00	\$32.72	\$3.07	\$76.79	(\$0.04)	\$0.00	\$0.00	(\$0.04)	-0.1%	0.0%	0.0%	-0.1%	11.8%
500	\$49.80	\$40.90	\$3.78	\$94.48	\$49.75	\$40.90	\$3.78	\$94.43	(\$0.05)	\$0.00	\$0.00	(\$0.05)	-0.1%	0.0%	0.0%	-0.1%	10.8%
600	\$58.55	\$49.07	\$4.48	\$112.10	\$58.49	\$49.07	\$4.48	\$112.04	(\$0.06)	\$0.00	\$0.00	(\$0.06)	-0.1%	0.0%	0.0%	-0.1%	9.4%
700	\$67.30	\$57.25	\$5.19	\$129.74	\$67.23	\$57.25	\$5.19	\$129.67	(\$0.07)	\$0.00	\$0.00	(\$0.07)	-0.1%	0.0%	0.0%	-0.1%	7.7%
1,200	\$111.07	\$98.15	\$8.72	\$217.94	\$110.95	\$98.15	\$8.71	\$217.81	(\$0.12)	\$0.00	(\$0.01)	(\$0.13)	-0.1%	0.0%	0.0%	-0.1%	15.0%
2,000	\$181.09	\$163.58	\$14.36	\$359.03	\$180.89	\$163.58	\$14.35	\$358.82	(\$0.20)	\$0.00	(\$0.01)	(\$0.21)	-0.1%	0.0%	0.0%	-0.1%	14.1%

	<u>Present Rates</u>		<u>Proposed Rates</u>		
Customer Charge		\$5.00		\$5.00	
RE Growth Factor		\$0.22		\$0.22	
LIHEAP Charge		\$0.81		\$0.81	
Transmission Energy Charge	kWh x	\$0.02705		\$0.02705	
Distribution Energy Charge	kWh x	\$0.04278		\$0.04278	
Transition Energy Charge	kWh x	(\$0.00058)		(\$0.00058)	
Energy Efficiency Program Charge	kWh x	\$0.01154		\$0.01154	
Renewable Energy Distribution Charge	kWh x	\$0.00674	(1)	\$0.00664	(2)
Gross Earnings Tax		4%		4%	
Standard Offer Charge	kWh x	\$0.08179		\$0.08179	

Note (1): includes the current Long Term Contracting charge of \$0.00667 per kWh and current Net Metering charge of \$0.00007

Note (2): includes the hypothetical Long Term Contracting charge of \$0.00657 per kWh and current Net Metering charge of \$0.00007

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to A-60 Rate Customers

Monthly kWh	Present Rates				Proposed Rates				Increase (Decrease)								Percentage of Customers
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill				
									Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
150	\$12.14	\$12.27	\$1.02	\$25.43	\$12.12	\$12.27	\$1.02	\$25.41	(\$0.02)	\$0.00	\$0.00	(\$0.02)	-0.1%	0.0%	0.0%	-0.1%	13.7%
300	\$23.25	\$24.54	\$1.99	\$49.78	\$23.22	\$24.54	\$1.99	\$49.75	(\$0.03)	\$0.00	\$0.00	(\$0.03)	-0.1%	0.0%	0.0%	-0.1%	17.5%
400	\$30.65	\$32.72	\$2.64	\$66.01	\$30.61	\$32.72	\$2.64	\$65.97	(\$0.04)	\$0.00	\$0.00	(\$0.04)	-0.1%	0.0%	0.0%	-0.1%	11.8%
500	\$38.06	\$40.90	\$3.29	\$82.25	\$38.01	\$40.90	\$3.29	\$82.20	(\$0.05)	\$0.00	\$0.00	(\$0.05)	-0.1%	0.0%	0.0%	-0.1%	10.8%
600	\$45.47	\$49.07	\$3.94	\$98.48	\$45.41	\$49.07	\$3.94	\$98.42	(\$0.06)	\$0.00	\$0.00	(\$0.06)	-0.1%	0.0%	0.0%	-0.1%	9.4%
700	\$52.87	\$57.25	\$4.59	\$114.71	\$52.80	\$57.25	\$4.59	\$114.64	(\$0.07)	\$0.00	\$0.00	(\$0.07)	-0.1%	0.0%	0.0%	-0.1%	7.7%
1,200	\$89.90	\$98.15	\$7.84	\$195.89	\$89.78	\$98.15	\$7.83	\$195.76	(\$0.12)	\$0.00	(\$0.01)	(\$0.13)	-0.1%	0.0%	0.0%	-0.1%	15.0%
2,000	\$149.15	\$163.58	\$13.03	\$325.76	\$148.95	\$163.58	\$13.02	\$325.55	(\$0.20)	\$0.00	(\$0.01)	(\$0.21)	-0.1%	0.0%	0.0%	-0.1%	14.1%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$0.00	\$0.00
RE Growth Factor	\$0.22	\$0.22
LIHEAP Charge	\$0.81	\$0.81
Transmission Energy Charge	kWh x \$0.02705	\$0.02705
Distribution Energy Charge	kWh x \$0.02931	\$0.02931
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674 (1)	\$0.00664 (2)
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.08179	\$0.08179

Note (1): includes the current Long Term Contracting charge of \$0.00667 per kWh and current Net Metering charge of \$0.00007

Note (2): includes the hypothetical Long Term Contracting charge of \$0.00657 per kWh and current Net Metering charge of \$0.00007

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to C-06 Rate Customers

Monthly kWh	Present Rates				Proposed Rates				Increase (Decrease)								Percentage of Customers
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill				
									Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
250	\$31.63	\$20.99	\$2.19	\$54.81	\$31.61	\$20.99	\$2.19	\$54.79	(\$0.02)	\$0.00	\$0.00	(\$0.02)	0.0%	0.0%	0.0%	0.0%	35.2%
500	\$52.10	\$41.98	\$3.92	\$98.00	\$52.05	\$41.98	\$3.92	\$97.95	(\$0.05)	\$0.00	\$0.00	(\$0.05)	-0.1%	0.0%	0.0%	-0.1%	17.0%
1,000	\$93.04	\$83.96	\$7.38	\$184.38	\$92.94	\$83.96	\$7.37	\$184.27	(\$0.10)	\$0.00	(\$0.01)	(\$0.11)	-0.1%	0.0%	0.0%	-0.1%	19.0%
1,500	\$133.98	\$125.94	\$10.83	\$270.75	\$133.83	\$125.94	\$10.82	\$270.59	(\$0.15)	\$0.00	(\$0.01)	(\$0.16)	-0.1%	0.0%	0.0%	-0.1%	9.8%
2,000	\$174.92	\$167.92	\$14.29	\$357.13	\$174.72	\$167.92	\$14.28	\$356.92	(\$0.20)	\$0.00	(\$0.01)	(\$0.21)	-0.1%	0.0%	0.0%	-0.1%	19.1%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$10.00	\$10.00
RE Growth Factor	\$0.35	\$0.35
LIHEAP Charge	\$0.81	\$0.81
Transmission Energy Charge	kWh x \$0.02566	\$0.02566
Distribution Energy Charge	kWh x \$0.03852	\$0.03852
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674 (1)	\$0.00664 (2)
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.08396	\$0.08396

Note (1): includes the current Long Term Contracting charge of \$0.00667 per kWh and current Net Metering charge of \$0.00007

Note (2): includes the hypothetical Long Term Contracting charge of \$0.00657 per kWh and current Net Metering charge of \$0.00007

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 200

Monthly Power kW kWh		Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
20	4000	\$409.62	\$335.84	\$31.06	\$776.52	\$409.22	\$335.84	\$31.04	\$776.10	(\$0.40)	\$0.00	(\$0.02)	(\$0.42)	-0.1%	0.0%	0.0%	-0.1%
50	10000	\$898.98	\$839.60	\$72.44	\$1,811.02	\$897.98	\$839.60	\$72.40	\$1,809.98	(\$1.00)	\$0.00	(\$0.04)	(\$1.04)	-0.1%	0.0%	0.0%	-0.1%
100	20000	\$1,714.58	\$1,679.20	\$141.41	\$3,535.19	\$1,712.58	\$1,679.20	\$141.32	\$3,533.10	(\$2.00)	\$0.00	(\$0.09)	(\$2.09)	-0.1%	0.0%	0.0%	-0.1%
150	30000	\$2,530.18	\$2,518.80	\$210.37	\$5,259.35	\$2,527.18	\$2,518.80	\$210.25	\$5,256.23	(\$3.00)	\$0.00	(\$0.12)	(\$3.12)	-0.1%	0.0%	0.0%	-0.1%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$135.00	\$135.00
RE Growth Factor	\$3.37	\$3.37
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.59	\$3.59
Transmission Energy Charge	kWh x \$0.01068	\$0.01068
Distribution Demand Charge-xcs 10 kW	kW x \$5.58	\$5.58
Distribution Energy Charge	kWh x \$0.00733	\$0.00733
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674 (1)	\$0.00664 (2)
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.08396	\$0.08396

Note (1): includes the current Long Term Contracting charge of \$0.00667 per kWh and current Net Metering charge of \$0.00007

Note (2): includes the hypothetical Long Term Contracting charge of \$0.00657 per kWh and current Net Metering charge of \$0.00007

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 300

Monthly Power kW	kWh	Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
20	6000	\$481.04	\$503.76	\$41.03	\$1,025.83	\$480.44	\$503.76	\$41.01	\$1,025.21	(\$0.60)	\$0.00	(\$0.02)	(\$0.62)	-0.1%	0.0%	0.0%	-0.1%
50	15000	\$1,077.53	\$1,259.40	\$97.37	\$2,434.30	\$1,076.03	\$1,259.40	\$97.31	\$2,432.74	(\$1.50)	\$0.00	(\$0.06)	(\$1.56)	-0.1%	0.0%	0.0%	-0.1%
100	30000	\$2,071.68	\$2,518.80	\$191.27	\$4,781.75	\$2,068.68	\$2,518.80	\$191.15	\$4,778.63	(\$3.00)	\$0.00	(\$0.12)	(\$3.12)	-0.1%	0.0%	0.0%	-0.1%
150	45000	\$3,065.83	\$3,778.20	\$285.17	\$7,129.20	\$3,061.33	\$3,778.20	\$284.98	\$7,124.51	(\$4.50)	\$0.00	(\$0.19)	(\$4.69)	-0.1%	0.0%	0.0%	-0.1%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$135.00	\$135.00
RE Growth Factor	\$3.37	\$3.37
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.59	\$3.59
Transmission Energy Charge	kWh x \$0.01068	\$0.01068
Distribution Demand Charge-xcs 10 kW	kW x \$5.58	\$5.58
Distribution Energy Charge	kWh x \$0.00733	\$0.00733
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674 (1)	\$0.00664 (2)
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.08396	\$0.08396

Note (1): includes the current Long Term Contracting charge of \$0.00667 per kWh and current Net Metering charge of \$0.00007

Note (2): includes the hypothetical Long Term Contracting charge of \$0.00657 per kWh and current Net Metering charge of \$0.00007

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 400

Monthly Power kW kWh		Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
20	8000	\$552.46	\$671.68	\$51.01	\$1,275.15	\$551.66	\$671.68	\$50.97	\$1,274.31	(\$0.80)	\$0.00	(\$0.04)	(\$0.84)	-0.1%	0.0%	0.0%	-0.1%
50	20000	\$1,256.08	\$1,679.20	\$122.30	\$3,057.58	\$1,254.08	\$1,679.20	\$122.22	\$3,055.50	(\$2.00)	\$0.00	(\$0.08)	(\$2.08)	-0.1%	0.0%	0.0%	-0.1%
100	40000	\$2,428.78	\$3,358.40	\$241.13	\$6,028.31	\$2,424.78	\$3,358.40	\$240.97	\$6,024.15	(\$4.00)	\$0.00	(\$0.16)	(\$4.16)	-0.1%	0.0%	0.0%	-0.1%
150	60000	\$3,601.48	\$5,037.60	\$359.96	\$8,999.04	\$3,595.48	\$5,037.60	\$359.71	\$8,992.79	(\$6.00)	\$0.00	(\$0.25)	(\$6.25)	-0.1%	0.0%	0.0%	-0.1%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$135.00	\$135.00
RE Growth Factor	\$3.37	\$3.37
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.59	\$3.59
Transmission Energy Charge	kWh x \$0.01068	\$0.01068
Distribution Demand Charge-xcs 10 kW	kW x \$5.58	\$5.58
Distribution Energy Charge	kWh x \$0.00733	\$0.00733
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674 (1)	\$0.00664 (2)
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.08396	\$0.08396

Note (1): includes the current Long Term Contracting charge of \$0.00667 per kWh and current Net Metering charge of \$0.00007

Note (2): includes the hypothetical Long Term Contracting charge of \$0.00657 per kWh and current Net Metering charge of \$0.00007

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 500

Monthly Power kW kWh		Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
20	10000	\$623.88	\$839.60	\$60.98	\$1,524.46	\$622.88	\$839.60	\$60.94	\$1,523.42	(\$1.00)	\$0.00	(\$0.04)	(\$1.04)	-0.1%	0.0%	0.0%	-0.1%
50	25000	\$1,434.63	\$2,099.00	\$147.23	\$3,680.86	\$1,432.13	\$2,099.00	\$147.13	\$3,678.26	(\$2.50)	\$0.00	(\$0.10)	(\$2.60)	-0.1%	0.0%	0.0%	-0.1%
100	50000	\$2,785.88	\$4,198.00	\$291.00	\$7,274.88	\$2,780.88	\$4,198.00	\$290.79	\$7,269.67	(\$5.00)	\$0.00	(\$0.21)	(\$5.21)	-0.1%	0.0%	0.0%	-0.1%
150	75000	\$4,137.13	\$6,297.00	\$434.76	\$10,868.89	\$4,129.63	\$6,297.00	\$434.44	\$10,861.07	(\$7.50)	\$0.00	(\$0.32)	(\$7.82)	-0.1%	0.0%	0.0%	-0.1%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$135.00	\$135.00
RE Growth Factor	\$3.37	\$3.37
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.59	\$3.59
Transmission Energy Charge	kWh x \$0.01068	\$0.01068
Distribution Demand Charge-xcs 10 kW	kW x \$5.58	\$5.58
Distribution Energy Charge	kWh x \$0.00733	\$0.00733
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674 (1)	\$0.00664 (2)
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.08396	\$0.08396

Note (1): includes the current Long Term Contracting charge of \$0.00667 per kWh and current Net Metering charge of \$0.00007

Note (2): includes the hypothetical Long Term Contracting charge of \$0.00657 per kWh and current Net Metering charge of \$0.00007

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-02 Rate Customers

Hours Use: 600

Monthly Power kW kWh		Present Rates				Proposed Rates				Increase (Decrease)								
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill				
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
20	12000	\$695.30	\$1,007.52	\$70.95	\$1,773.77	\$694.10	\$1,007.52	\$70.90	\$1,772.52	(\$1.20)	\$0.00	(\$0.05)	(\$1.25)	-0.1%	0.0%	0.0%	0.0%	-0.1%
50	30000	\$1,613.18	\$2,518.80	\$172.17	\$4,304.15	\$1,610.18	\$2,518.80	\$172.04	\$4,301.02	(\$3.00)	\$0.00	(\$0.13)	(\$3.13)	-0.1%	0.0%	0.0%	0.0%	-0.1%
100	60000	\$3,142.98	\$5,037.60	\$340.86	\$8,521.44	\$3,136.98	\$5,037.60	\$340.61	\$8,515.19	(\$6.00)	\$0.00	(\$0.25)	(\$6.25)	-0.1%	0.0%	0.0%	0.0%	-0.1%
150	90000	\$4,672.78	\$7,556.40	\$509.55	\$12,738.73	\$4,663.78	\$7,556.40	\$509.17	\$12,729.35	(\$9.00)	\$0.00	(\$0.38)	(\$9.38)	-0.1%	0.0%	0.0%	0.0%	-0.1%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$135.00	\$135.00
RE Growth Factor	\$3.37	\$3.37
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.59	\$3.59
Transmission Energy Charge	kWh x \$0.01068	\$0.01068
Distribution Demand Charge-xcs 10 kW	kW x \$5.58	\$5.58
Distribution Energy Charge	kWh x \$0.00733	\$0.00733
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674 (1)	\$0.00664 (2)
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.08396	\$0.08396

Note (1): includes the current Long Term Contracting charge of \$0.00667 per kWh and current Net Metering charge of \$0.00007

Note (2): includes the hypothetical Long Term Contracting charge of \$0.00657 per kWh and current Net Metering charge of \$0.00007

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 200

Monthly Power kW kWh		Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
200	40,000	\$3,078.30	\$2,999.60	\$253.25	\$6,331.15	\$3,074.30	\$2,999.60	\$253.08	\$6,326.98	(\$4.00)	\$0.00	(\$0.17)	(\$4.17)	-0.1%	0.0%	0.0%	-0.1%
750	150,000	\$11,647.30	\$11,248.50	\$953.99	\$23,849.79	\$11,632.30	\$11,248.50	\$953.37	\$23,834.17	(\$15.00)	\$0.00	(\$0.62)	(\$15.62)	-0.1%	0.0%	0.0%	-0.1%
1,000	200,000	\$15,542.30	\$14,998.00	\$1,272.51	\$31,812.81	\$15,522.30	\$14,998.00	\$1,271.68	\$31,791.98	(\$20.00)	\$0.00	(\$0.83)	(\$20.83)	-0.1%	0.0%	0.0%	-0.1%
1,500	300,000	\$23,332.30	\$22,497.00	\$1,909.55	\$47,738.85	\$23,302.30	\$22,497.00	\$1,908.30	\$47,707.60	(\$30.00)	\$0.00	(\$1.25)	(\$31.25)	-0.1%	0.0%	0.0%	-0.1%
2,500	500,000	\$38,912.30	\$37,495.00	\$3,183.64	\$79,590.94	\$38,862.30	\$37,495.00	\$3,181.55	\$79,538.85	(\$50.00)	\$0.00	(\$2.09)	(\$52.09)	-0.1%	0.0%	0.0%	-0.1%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$825.00	\$825.00
RE Growth Factor	\$24.49	\$24.49
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.97	\$3.97
Transmission Energy Charge	kWh x \$0.01047	\$0.01047
Distribution Demand Charge-xcs 10 kW	kW x \$4.44	\$4.44
Distribution Energy Charge	kWh x \$0.00768	\$0.00768
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674 (1)	\$0.00664 (2)
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.07499	\$0.07499

Note (1): includes the current Long Term Contracting charge of \$0.00667 per kWh and current Net Metering charge of \$0.00007

Note (2): includes the hypothetical Long Term Contracting charge of \$0.00657 per kWh and current Net Metering charge of \$0.00007

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 300

Monthly Power kW	kWh	Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
200	60,000	\$3,795.30	\$4,499.40	\$345.61	\$8,640.31	\$3,789.30	\$4,499.40	\$345.36	\$8,634.06	(\$6.00)	\$0.00	(\$0.25)	(\$6.25)	-0.1%	0.0%	0.0%	-0.1%
750	225,000	\$14,336.05	\$16,872.75	\$1,300.37	\$32,509.17	\$14,313.55	\$16,872.75	\$1,299.43	\$32,485.73	(\$22.50)	\$0.00	(\$0.94)	(\$23.44)	-0.1%	0.0%	0.0%	-0.1%
1,000	300,000	\$19,127.30	\$22,497.00	\$1,734.35	\$43,358.65	\$19,097.30	\$22,497.00	\$1,733.10	\$43,327.40	(\$30.00)	\$0.00	(\$1.25)	(\$31.25)	-0.1%	0.0%	0.0%	-0.1%
1,500	450,000	\$28,709.80	\$33,745.50	\$2,602.30	\$65,057.60	\$28,664.80	\$33,745.50	\$2,600.43	\$65,010.73	(\$45.00)	\$0.00	(\$1.87)	(\$46.87)	-0.1%	0.0%	0.0%	-0.1%
2,500	750,000	\$47,874.80	\$56,242.50	\$4,338.22	\$108,455.52	\$47,799.80	\$56,242.50	\$4,335.10	\$108,377.40	(\$75.00)	\$0.00	(\$3.12)	(\$78.12)	-0.1%	0.0%	0.0%	-0.1%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$825.00	\$825.00
RE Growth Factor	\$24.49	\$24.49
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.97	\$3.97
Transmission Energy Charge	kWh x \$0.01047	\$0.01047
Distribution Demand Charge-xcs 10 kW	kW x \$4.44	\$4.44
Distribution Energy Charge	kWh x \$0.00768	\$0.00768
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674	\$0.00664 (2)
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.07499	\$0.07499

Note (1): includes the current Long Term Contracting charge of \$0.00667 per kWh and current Net Metering charge of \$0.00007

Note (2): includes the hypothetical Long Term Contracting charge of \$0.00657 per kWh and current Net Metering charge of \$0.00007

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 400

Monthly Power kW kWh		Present Rates				Proposed Rates				Increase (Decrease)								
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill				
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
200	80,000	\$4,512.30	\$5,999.20	\$437.98	\$10,949.48	\$4,504.30	\$5,999.20	\$437.65	\$10,941.15	(\$8.00)	\$0.00	(\$0.33)	(\$8.33)	-0.1%	0.0%	0.0%	0.0%	-0.1%
750	300,000	\$17,024.80	\$22,497.00	\$1,646.74	\$41,168.54	\$16,994.80	\$22,497.00	\$1,645.49	\$41,137.29	(\$30.00)	\$0.00	(\$1.25)	(\$31.25)	-0.1%	0.0%	0.0%	0.0%	-0.1%
1,000	400,000	\$22,712.30	\$29,996.00	\$2,196.18	\$54,904.48	\$22,672.30	\$29,996.00	\$2,194.51	\$54,862.81	(\$40.00)	\$0.00	(\$1.67)	(\$41.67)	-0.1%	0.0%	0.0%	0.0%	-0.1%
1,500	600,000	\$34,087.30	\$44,994.00	\$3,295.05	\$82,376.35	\$34,027.30	\$44,994.00	\$3,292.55	\$82,313.85	(\$60.00)	\$0.00	(\$2.50)	(\$62.50)	-0.1%	0.0%	0.0%	0.0%	-0.1%
2,500	1,000,000	\$56,837.30	\$74,990.00	\$5,492.80	\$137,320.10	\$56,737.30	\$74,990.00	\$5,488.64	\$137,215.94	(\$100.00)	\$0.00	(\$4.16)	(\$104.16)	-0.1%	0.0%	0.0%	0.0%	-0.1%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$825.00	\$825.00
RE Growth Factor	\$24.49	\$24.49
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.97	\$3.97
Transmission Energy Charge	kWh x \$0.01047	\$0.01047
Distribution Demand Charge-xcs 10 kW	kW x \$4.44	\$4.44
Distribution Energy Charge	kWh x \$0.00768	\$0.00768
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674 (1)	\$0.00664 (2)
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.07499	\$0.07499

Note (1): includes the current Long Term Contracting charge of \$0.00667 per kWh and current Net Metering charge of \$0.00007

Note (2): includes the hypothetical Long Term Contracting charge of \$0.00657 per kWh and current Net Metering charge of \$0.00007

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 500

Monthly Power kW kWh		Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
200	100,000	\$5,229.30	\$7,499.00	\$530.35	\$13,258.65	\$5,219.30	\$7,499.00	\$529.93	\$13,248.23	(\$10.00)	\$0.00	(\$0.42)	(\$10.42)	-0.1%	0.0%	0.0%	-0.1%
750	375,000	\$19,713.55	\$28,121.25	\$1,993.12	\$49,827.92	\$19,676.05	\$28,121.25	\$1,991.55	\$49,788.85	(\$37.50)	\$0.00	(\$1.57)	(\$39.07)	-0.1%	0.0%	0.0%	-0.1%
1,000	500,000	\$26,297.30	\$37,495.00	\$2,658.01	\$66,450.31	\$26,247.30	\$37,495.00	\$2,655.93	\$66,398.23	(\$50.00)	\$0.00	(\$2.08)	(\$52.08)	-0.1%	0.0%	0.0%	-0.1%
1,500	750,000	\$39,464.80	\$56,242.50	\$3,987.80	\$99,695.10	\$39,389.80	\$56,242.50	\$3,984.68	\$99,616.98	(\$75.00)	\$0.00	(\$3.12)	(\$78.12)	-0.1%	0.0%	0.0%	-0.1%
2,500	1,250,000	\$65,799.80	\$93,737.50	\$6,647.39	\$166,184.69	\$65,674.80	\$93,737.50	\$6,642.18	\$166,054.48	(\$125.00)	\$0.00	(\$5.21)	(\$130.21)	-0.1%	0.0%	0.0%	-0.1%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$825.00	\$825.00
RE Growth Factor	\$24.49	\$24.49
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.97	\$3.97
Transmission Energy Charge	kWh x \$0.01047	\$0.01047
Distribution Demand Charge-xcs 10 kW	kW x \$4.44	\$4.44
Distribution Energy Charge	kWh x \$0.00768	\$0.00768
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674 (1)	\$0.00664 (2)
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.07499	\$0.07499

Note (1): includes the current Long Term Contracting charge of \$0.00667 per kWh and current Net Metering charge of \$0.00007

Note (2): includes the hypothetical Long Term Contracting charge of \$0.00657 per kWh and current Net Metering charge of \$0.00007

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-32 Rate Customers

Hours Use: 600

Monthly Power		Present Rates				Proposed Rates				Increase (Decrease)							
		kW	kWh	\$				% of Total Bill									
Delivery	SOS			GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
200	120,000	\$5,946.30	\$8,998.80	\$622.71	\$15,567.81	\$5,934.30	\$8,998.80	\$622.21	\$15,555.31	(\$12.00)	\$0.00	(\$0.50)	(\$12.50)	-0.1%	0.0%	0.0%	-0.1%
750	450,000	\$22,402.30	\$33,745.50	\$2,339.49	\$58,487.29	\$22,357.30	\$33,745.50	\$2,337.62	\$58,440.42	(\$45.00)	\$0.00	(\$1.87)	(\$46.87)	-0.1%	0.0%	0.0%	-0.1%
1,000	600,000	\$29,882.30	\$44,994.00	\$3,119.85	\$77,996.15	\$29,822.30	\$44,994.00	\$3,117.35	\$77,933.65	(\$60.00)	\$0.00	(\$2.50)	(\$62.50)	-0.1%	0.0%	0.0%	-0.1%
1,500	900,000	\$44,842.30	\$67,491.00	\$4,680.55	\$117,013.85	\$44,752.30	\$67,491.00	\$4,676.80	\$116,920.10	(\$90.00)	\$0.00	(\$3.75)	(\$93.75)	-0.1%	0.0%	0.0%	-0.1%
2,500	1,500,000	\$74,762.30	\$112,485.00	\$7,801.97	\$195,049.27	\$74,612.30	\$112,485.00	\$7,795.72	\$194,893.02	(\$150.00)	\$0.00	(\$6.25)	(\$156.25)	-0.1%	0.0%	0.0%	-0.1%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$825.00	\$825.00
RE Growth Factor	\$24.49	\$24.49
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.97	\$3.97
Transmission Energy Charge	kWh x \$0.01047	\$0.01047
Distribution Demand Charge-xcs 10 kW	kW x \$4.44	\$4.44
Distribution Energy Charge	kWh x \$0.00768	\$0.00768
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674 (1)	\$0.00664 (2)
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.07499	\$0.07499

Note (1): includes the current Long Term Contracting charge of \$0.00667 per kWh and current Net Metering charge of \$0.00007

Note (2): includes the hypothetical Long Term Contracting charge of \$0.00657 per kWh and current Net Metering charge of \$0.00007

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 200

Monthly Power kW kWh	Present Rates					Proposed Rates					Increase (Decrease)						
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill				
									Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	
3,000 600,000	\$58,520.11	\$44,994.00	\$4,313.09	\$107,827.20	\$58,460.11	\$44,994.00	\$4,310.59	\$107,764.70	(\$60.00)	\$0.00	(\$2.50)	(\$62.50)	-0.1%	0.0%	0.0%	-0.1%	
5,000 1,000,000	\$85,840.11	\$74,990.00	\$6,701.25	\$167,531.36	\$85,740.11	\$74,990.00	\$6,697.09	\$167,427.20	(\$100.00)	\$0.00	(\$4.16)	(\$104.16)	-0.1%	0.0%	0.0%	-0.1%	
7,500 1,500,000	\$119,990.11	\$112,485.00	\$9,686.46	\$242,161.57	\$119,840.11	\$112,485.00	\$9,680.21	\$242,005.32	(\$150.00)	\$0.00	(\$6.25)	(\$156.25)	-0.1%	0.0%	0.0%	-0.1%	
10,000 2,000,000	\$154,140.11	\$149,980.00	\$12,671.67	\$316,791.78	\$153,940.11	\$149,980.00	\$12,663.34	\$316,583.45	(\$200.00)	\$0.00	(\$8.33)	(\$208.33)	-0.1%	0.0%	0.0%	-0.1%	
20,000 4,000,000	\$290,740.11	\$299,960.00	\$24,612.50	\$615,312.61	\$290,340.11	\$299,960.00	\$24,595.84	\$614,895.95	(\$400.00)	\$0.00	(\$16.66)	(\$416.66)	-0.1%	0.0%	0.0%	-0.1%	

	Present Rates		Proposed Rates
Customer Charge	\$17,000.00		\$17,000.00
RE Growth Factor	\$539.30		\$539.30
LIHEAP Charge	\$0.81		\$0.81
Transmission Demand Charge	kW x \$3.22		\$3.22
Transmission Energy Charge	kWh x \$0.01378		\$0.01378
Distribution Demand Charge-xcs 10 kW	kW x \$3.81		\$3.81
Distribution Energy Charge	kWh x \$0.00167		\$0.00167
Transition Energy Charge	kWh x (\$0.00058)		(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154		\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674 (1)		\$0.00664 (2)
Gross Earnings Tax	4%		4%
Standard Offer Charge	kWh x \$0.07499		\$0.07499

Note (1): includes the current Long Term Contracting charge of \$0.00667 per kWh and current Net Metering charge of \$0.00007

Note (2): includes the hypothetical Long Term Contracting charge of \$0.00657 per kWh and current Net Metering charge of \$0.00007

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 300

Monthly Power kW kWh	Present Rates				Proposed Rates				Increase (Decrease)							
	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
									Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
3,000 900,000	\$68,465.11	\$67,491.00	\$5,664.84	\$141,620.95	\$68,375.11	\$67,491.00	\$5,661.09	\$141,527.20	(\$90.00)	\$0.00	(\$3.75)	(\$93.75)	-0.1%	0.0%	0.0%	-0.1%
5,000 1,500,000	\$102,415.11	\$112,485.00	\$8,954.17	\$223,854.28	\$102,265.11	\$112,485.00	\$8,947.92	\$223,698.03	(\$150.00)	\$0.00	(\$6.25)	(\$156.25)	-0.1%	0.0%	0.0%	-0.1%
7,500 2,250,000	\$144,852.61	\$168,727.50	\$13,065.84	\$326,645.95	\$144,627.61	\$168,727.50	\$13,056.46	\$326,411.57	(\$225.00)	\$0.00	(\$9.38)	(\$234.38)	-0.1%	0.0%	0.0%	-0.1%
10,000 3,000,000	\$187,290.11	\$224,970.00	\$17,177.50	\$429,437.61	\$186,990.11	\$224,970.00	\$17,165.00	\$429,125.11	(\$300.00)	\$0.00	(\$12.50)	(\$312.50)	-0.1%	0.0%	0.0%	-0.1%
20,000 6,000,000	\$357,040.11	\$449,940.00	\$33,624.17	\$840,604.28	\$356,440.11	\$449,940.00	\$33,599.17	\$839,979.28	(\$600.00)	\$0.00	(\$25.00)	(\$625.00)	-0.1%	0.0%	0.0%	-0.1%

	Present Rates	Proposed Rates
Customer Charge	\$17,000.00	\$17,000.00
RE Growth Factor	\$539.30	\$539.30
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.22	\$3.22
Transmission Energy Charge	kWh x \$0.01378	\$0.01378
Distribution Demand Charge-xcs 10 kW	kW x \$3.81	\$3.81
Distribution Energy Charge	kWh x \$0.00167	\$0.00167
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674 (1)	\$0.00664 (2)
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.07499	\$0.07499

Note (1): includes the current Long Term Contracting charge of \$0.00667 per kWh and current Net Metering charge of \$0.00007

Note (2): includes the hypothetical Long Term Contracting charge of \$0.00657 per kWh and current Net Metering charge of \$0.00007

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 400

Monthly Power kW kWh		Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
3,000	1,200,000	\$78,410.11	\$89,988.00	\$7,016.59	\$175,414.70	\$78,290.11	\$89,988.00	\$7,011.59	\$175,289.70	(\$120.00)	\$0.00	(\$5.00)	(\$125.00)	-0.1%	0.0%	0.0%	-0.1%
5,000	2,000,000	\$118,990.11	\$149,980.00	\$11,207.09	\$280,177.20	\$118,790.11	\$149,980.00	\$11,198.75	\$279,968.86	(\$200.00)	\$0.00	(\$8.34)	(\$208.34)	-0.1%	0.0%	0.0%	-0.1%
7,500	3,000,000	\$169,715.11	\$224,970.00	\$16,445.21	\$411,130.32	\$169,415.11	\$224,970.00	\$16,432.71	\$410,817.82	(\$300.00)	\$0.00	(\$12.50)	(\$312.50)	-0.1%	0.0%	0.0%	-0.1%
10,000	4,000,000	\$220,440.11	\$299,960.00	\$21,683.34	\$542,083.45	\$220,040.11	\$299,960.00	\$21,666.67	\$541,666.78	(\$400.00)	\$0.00	(\$16.67)	(\$416.67)	-0.1%	0.0%	0.0%	-0.1%
20,000	8,000,000	\$423,340.11	\$599,920.00	\$42,635.84	\$1,065,895.95	\$422,540.11	\$599,920.00	\$42,602.50	\$1,065,062.61	(\$800.00)	\$0.00	(\$33.34)	(\$833.34)	-0.1%	0.0%	0.0%	-0.1%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$17,000.00	\$17,000.00
RE Growth Factor	\$539.30	\$539.30
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.22	\$3.22
Transmission Energy Charge	kWh x \$0.01378	\$0.01378
Distribution Demand Charge-xcs 10 kW	kW x \$3.81	\$3.81
Distribution Energy Charge	kWh x \$0.00167	\$0.00167
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674 (1)	\$0.00664 (2)
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.07499	\$0.07499

Note (1): includes the current Long Term Contracting charge of \$0.00667 per kWh and current Net Metering charge of \$0.00007

Note (2): includes the hypothetical Long Term Contracting charge of \$0.00657 per kWh and current Net Metering charge of \$0.00007

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 500

Monthly Power kW kWh		Present Rates				Proposed Rates				Increase (Decrease)							
										\$				% of Total Bill			
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
3,000	1,500,000	\$88,355.11	\$112,485.00	\$8,368.34	\$209,208.45	\$88,205.11	\$112,485.00	\$8,362.09	\$209,052.20	(\$150.00)	\$0.00	(\$6.25)	(\$156.25)	-0.1%	0.0%	0.0%	-0.1%
5,000	2,500,000	\$135,565.11	\$187,475.00	\$13,460.00	\$336,500.11	\$135,315.11	\$187,475.00	\$13,449.59	\$336,239.70	(\$250.00)	\$0.00	(\$10.41)	(\$260.41)	-0.1%	0.0%	0.0%	-0.1%
7,500	3,750,000	\$194,577.61	\$281,212.50	\$19,824.59	\$495,614.70	\$194,202.61	\$281,212.50	\$19,808.96	\$495,224.07	(\$375.00)	\$0.00	(\$15.63)	(\$390.63)	-0.1%	0.0%	0.0%	-0.1%
10,000	5,000,000	\$253,590.11	\$374,950.00	\$26,189.17	\$654,729.28	\$253,090.11	\$374,950.00	\$26,168.34	\$654,208.45	(\$500.00)	\$0.00	(\$20.83)	(\$520.83)	-0.1%	0.0%	0.0%	-0.1%
20,000	10,000,000	\$489,640.11	\$749,900.00	\$51,647.50	\$1,291,187.61	\$488,640.11	\$749,900.00	\$51,605.84	\$1,290,145.95	(\$1,000.00)	\$0.00	(\$41.66)	(\$1,041.66)	-0.1%	0.0%	0.0%	-0.1%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$17,000.00	\$17,000.00
RE Growth Factor	\$539.30	\$539.30
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.22	\$3.22
Transmission Energy Charge	kWh x \$0.01378	\$0.01378
Distribution Demand Charge-xcs 10 kW	kW x \$3.81	\$3.81
Distribution Energy Charge	kWh x \$0.00167	\$0.00167
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674 (1)	\$0.00664 (2)
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.07499	\$0.07499

Note (1): includes the current Long Term Contracting charge of \$0.00667 per kWh and current Net Metering charge of \$0.00007

Note (2): includes the hypothetical Long Term Contracting charge of \$0.00657 per kWh and current Net Metering charge of \$0.00007

Calculation of Monthly Typical Bill
Total Bill Impact of Proposed
Rates Applicable to G-62 Rate Customers

Hours Use: 600

Monthly Power kW kWh		Present Rates				Proposed Rates				Increase (Decrease)							
		Delivery	SOS	GET	Total	Delivery	SOS	GET	Total	\$				% of Total Bill			
										Delivery	SOS	GET	Total	Delivery	SOS	GET	Total
3,000	1,800,000	\$98,300.11	\$134,982.00	\$9,720.09	\$243,002.20	\$98,120.11	\$134,982.00	\$9,712.59	\$242,814.70	(\$180.00)	\$0.00	(\$7.50)	(\$187.50)	-0.1%	0.0%	0.0%	-0.1%
5,000	3,000,000	\$152,140.11	\$224,970.00	\$15,712.92	\$392,823.03	\$151,840.11	\$224,970.00	\$15,700.42	\$392,510.53	(\$300.00)	\$0.00	(\$12.50)	(\$312.50)	-0.1%	0.0%	0.0%	-0.1%
7,500	4,500,000	\$219,440.11	\$337,455.00	\$23,203.96	\$580,099.07	\$218,990.11	\$337,455.00	\$23,185.21	\$579,630.32	(\$450.00)	\$0.00	(\$18.75)	(\$468.75)	-0.1%	0.0%	0.0%	-0.1%
10,000	6,000,000	\$286,740.11	\$449,940.00	\$30,695.00	\$767,375.11	\$286,140.11	\$449,940.00	\$30,670.00	\$766,750.11	(\$600.00)	\$0.00	(\$25.00)	(\$625.00)	-0.1%	0.0%	0.0%	-0.1%
20,000	12,000,000	\$555,940.11	\$899,880.00	\$60,659.17	\$1,516,479.28	\$554,740.11	\$899,880.00	\$60,609.17	\$1,515,229.28	(\$1,200.00)	\$0.00	(\$50.00)	(\$1,250.00)	-0.1%	0.0%	0.0%	-0.1%

	<u>Present Rates</u>	<u>Proposed Rates</u>
Customer Charge	\$17,000.00	\$17,000.00
RE Growth Factor	\$539.30	\$539.30
LIHEAP Charge	\$0.81	\$0.81
Transmission Demand Charge	kW x \$3.22	\$3.22
Transmission Energy Charge	kWh x \$0.01378	\$0.01378
Distribution Demand Charge-xcs 10 kW	kW x \$3.81	\$3.81
Distribution Energy Charge	kWh x \$0.00167	\$0.00167
Transition Energy Charge	kWh x (\$0.00058)	(\$0.00058)
Energy Efficiency Program Charge	kWh x \$0.01154	\$0.01154
Renewable Energy Distribution Charge	kWh x \$0.00674 (1)	\$0.00664 (2)
Gross Earnings Tax	4%	4%
Standard Offer Charge	kWh x \$0.07499	\$0.07499

Note (1): includes the current Long Term Contracting charge of \$0.00667 per kWh and current Net Metering charge of \$0.00007

Note (2): includes the hypothetical Long Term Contracting charge of \$0.00657 per kWh and current Net Metering charge of \$0.00007

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4676
In Re: Proposal to Bid Capacity of Customer-Owned DG Facilities
Into Forward Capacity Market
Responses to Record Requests Issued at the
Commission's Evidentiary Hearing
On February 17, 2017

Record Request 2

Request:

Provide a breakdown of projected benefits, administrative costs, and net benefits for the 90/10 sharing allocation in a similar format as the Table presented in Richard Hahn's testimony.

Response:

Please refer to the table below for a breakdown of the projected Net FCM Proceeds,¹ administrative costs, and net benefits.

Table 1: Allocation of Net FCM Proceeds and costs under 90/10 Sharing Allocation²

Net FCM Proceeds	Company Share	Administrative Cost	Net Customer Benefit
\$25,967,256	\$2,596,726	\$3,930,240	\$19,440,291

¹ The Net FCM Proceeds represent the estimated proceeds under the base case assumptions of a capacity price of \$11.64 per kW-month, which is equal to the Net Cost of New Entry for Forward Capacity Auction 11, and an average amount of Performance Incentive payments, as referenced on page 24 of the Company's pre-filed testimony.

² The allocation of Net FCM proceeds and costs presented in Table 1 assumes a 90/10 sharing allocation of the Net FCM Proceeds, with 90% to be credited to customers and 10% to be retained by the Company, as well as full recovery of the Company's incremental administrative costs, as outlined in the Company's settlement proposal and approved by the PUC on February 17, 2017.

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4676
In Re: Proposal to Bid Capacity of Customer-Owned DG Facilities
Into Forward Capacity Market
Responses to Record Requests Issued at the
Commission's Evidentiary Hearing
On February 17, 2017

Record Request 3

Request:

Are the facilities that the Company is considering bidding into the FCM currently serving load?

Response:

The facilities that the Company will bid into the Forward Capacity Market, which are non-residential facilities, are directly metered, and, thus, do not serve load behind the usage meter of a specific customer, such as an account at the host location, prior to that usage being measured. Residential facilities do not sell their energy or capacity to the Company under the Tariff by law, and are deemed to be using the energy on-site, which is why a bill credit for energy produced is required to be transferred to the account serving load to the premises to the extent there is coincident use within the billing period. The separate metering of output and usage allows for an accurate accounting of on-site use and total generation.

In terms of system level load service, systems greater than 25 kW AC are settled with ISO-NE, and do not reduce the measured load used on the Company's distribution system. Small systems, those under 25 kW AC, which are not settled with ISO-NE as Settlement Only Generators, do serve as general load reducers on the Company's distribution system.

Record Request 4

Request:

Provide an explanation of the conditions that would allow a facility to default under the RE Growth Program. In the event of a default could the facility be removed from the program, and if so, what happens to the title to the capacity?

Response:

The Company's Renewable Energy Growth (RE Growth) Tariff for Non-Residential Customers, RIPUC No. 2152-C (Tariff),¹ states that it is the applicants "obligation to ensure that all aspects of a DG Project comply with the terms of the Company's Solicitation and Enrollment Process Rules and this Tariff" through the end of the program term. See, Tariff at Section 1 and Section 11. If a customer or applicant is in violation of the Tariff terms and conditions, Section 11 of the Tariff provides that

[t]he Company may, after notifying the Customer or Applicant in writing of such non-compliance and providing the Customer or Applicant a reasonable period to remedy such non-compliance and the violation persists, request the Commission to review the non-compliance and determine appropriate action, which may include requiring the Customer or Applicant to comply with the applicable provision being violated or revoking the Customer's or Applicant's Certificate of Eligibility.

In instances where the Company invokes the PUC's review of an applicant's non-compliance, the Company's position before the PUC as to whether revocation of the applicant's Certificate of Eligibility (removing the facility from the RE Growth program) is necessary and appropriate will be based on the specific facts and circumstances presented. For instance, the Company may request the PUC to revoke the applicant's Certificate of Eligibility if it was shown that the applicant expanded the facility or if it was shown that the applicant violated the terms and conditions of the Tariff. In addition, without limitation, the Company would consider suspending² and eventually requesting termination of RE Growth program participation if the customer's account is not being maintained in good standing.

¹ The Company's response does not include the applicable provisions for default under the Company's Renewable Energy Growth Program Tariff for Residential Customers, RIPUC No. 2151-B, since the Company does not maintain title to the capacity of facilities taking under the residential RE Growth tariff, and, therefore, default would not affect the Company's participation in the forward capacity market (FCM) under its FCM proposal.

² No suspension would extend the project's term under the Tariff.

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4676
In Re: Proposal to Bid Capacity of Customer-Owned DG Facilities
Into Forward Capacity Market
Responses to Record Requests Issued at the
Commission's Evidentiary Hearing
On February 17, 2017

Record Request 4, page 2

Additionally, the Tariff prohibits an applicant from terminating their obligations under the Tariff without the Company's consent. See, Tariff at Section 11. The Company's consent to an applicant's request to terminate may not be unreasonably withheld or delayed if the "Applicant cannot fulfill the obligations because of an event or circumstance that is beyond the Applicant's reasonable control and for which the Applicant could not prevent or provide against by using commercially reasonable efforts." See, *id.* To the extent the Company consents to the applicant's request to terminate their obligations under the Tariff, the facility would be removed from the RE Growth Program.

The Tariff provides the Company the rights to the title to the capacity of the project for the "term specified in the applicable Tariff supplement" and does not specifically address what happens to the title in the event of default. The Company believes that in the event of a default that resulted in the removal of the facility³ from the RE Growth program, the title to the capacity would, revert back to the facility owner.⁴ In the case of any termination, the Company would cease paying for the energy output and/or other products of the system altogether and could either transfer the Lead Market Participant status of the facility to the applicant or remove the facility from the ISO-NE markets.

³ The Company would maintain title to the capacity in the event of a default that resulted in a suspension of the project's operation under the Tariff. In these instances, the Company would consider what affect the suspension would have on the facility's performance in the FCM and determine what, if any, action needed to be taken.

⁴ To the extent warranted, the Company may request time to transition title to the applicant to remove the facility's capacity from the Company's FCM portfolio.

The Narragansett Electric Company
d/b/a National Grid
RIPUC Docket No. 4676
In Re: Proposal to Bid Capacity of Customer-Owned DG Facilities
Into Forward Capacity Market
Responses to Record Requests Issued at the
Commission's Evidentiary Hearing
On February 17, 2017

Record Request 5

Request:

Confirm the date the operational DG projects were first installed and the date of expiration of the DG standard contracts/long-term contracts for those projects.

Response:

Please refer to the Company's response to Division 1-4 for a detailed list of the DG Facilities for which the Company will seek to monetize capacity and their commercial operation dates. The DG Standard Contracts have a 15-year contract term, and will expire 15 years after the commercial operation date.